

Block diagram of a multi-channel system 10. A source block  $m_s$  is connected to a summing junction. The output of this junction goes to block  $f$ . Block  $f$  has four outputs, each entering a dashed box 14. Inside 14, each output goes through a block  $g_i$  ( $g_0, g_1, g_2, g_3$ ) and then a summing junction. The outputs of these summing junctions go to blocks  $r_i$  ( $r_0, r_1, r_2, r_3$ ). Block  $r_3$  is connected back to the first summing junction. Block 0 is also shown.

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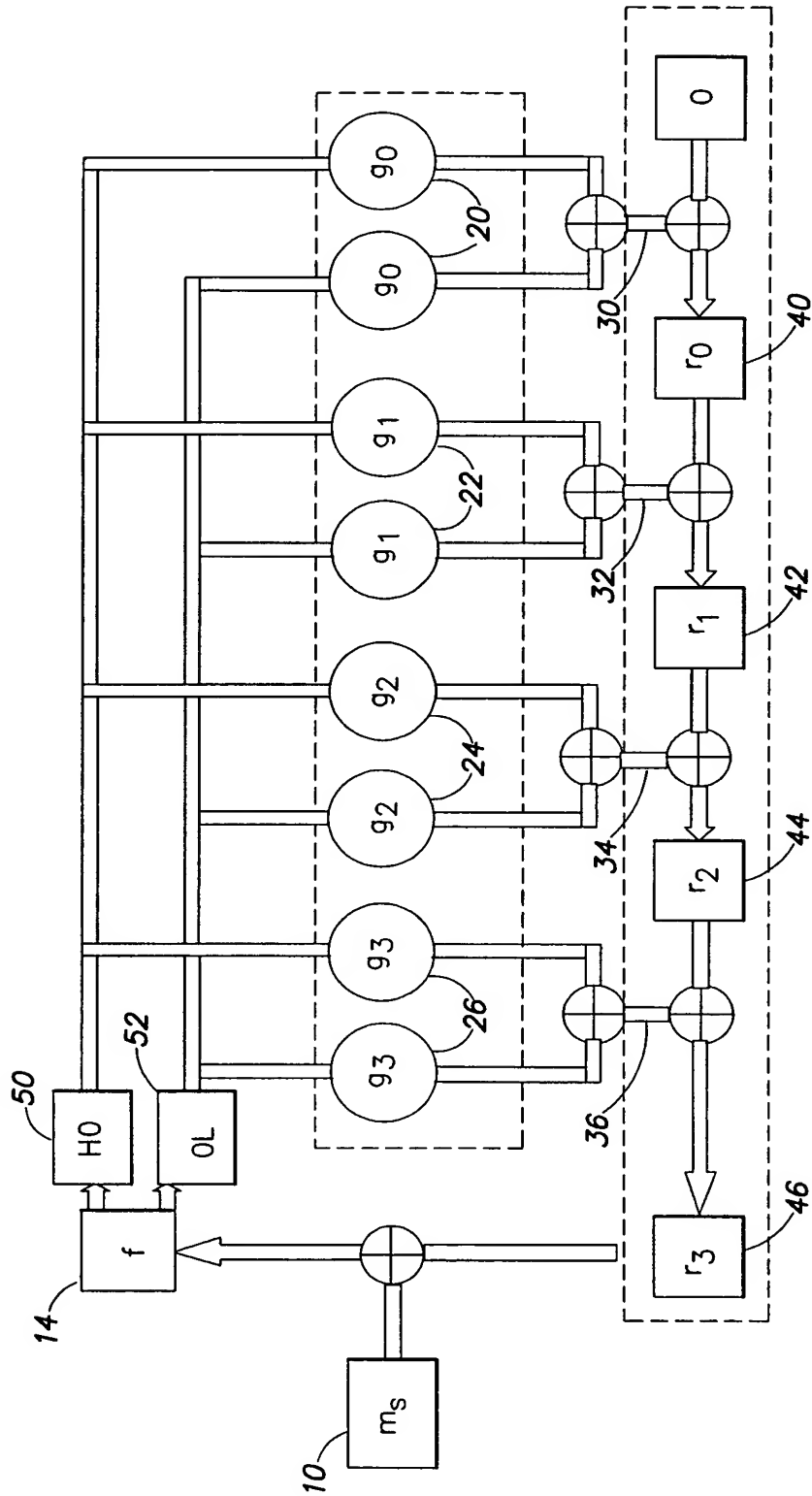


FIG. 2

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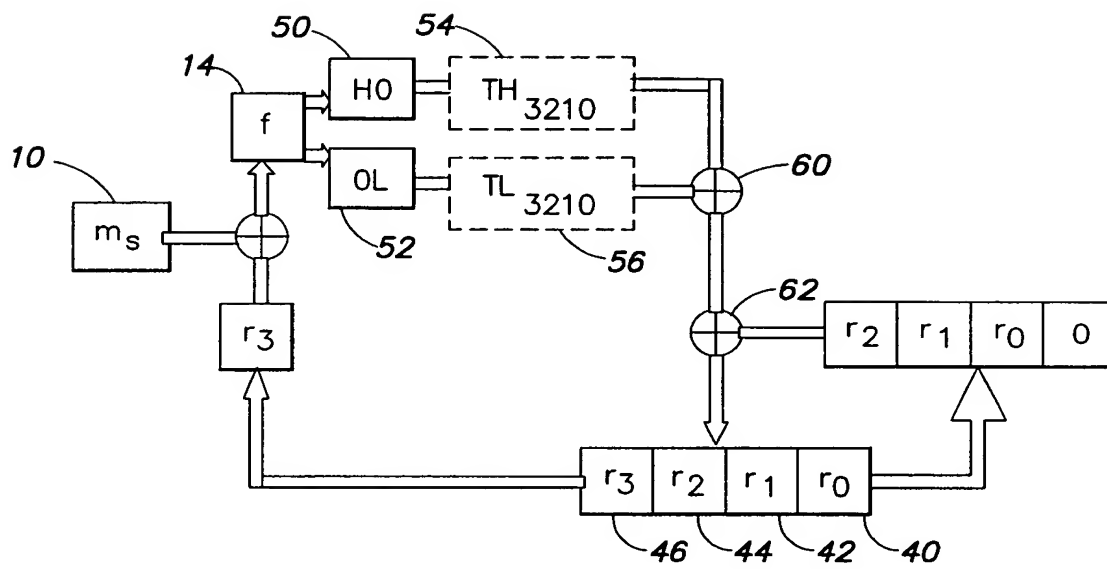


FIG. 3

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TabH	$g_0^H$	$g_1^H$	$\dots$	$g_{2t-1}^H$
00	0	0	0	0
10	$g_0^*10$	$g_1^*10$	$\dots$	$g_{2t-1}^*10$
$\dots$	$\dots$	$\dots$	$\dots$	$\dots$
F0	$g_0^*F0$	$g_1^*F0$	$\dots$	$g_{2t-1}^*F0$

FIG. 4A

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TabL	$g_0^L$	$g_1^L$	$\dots$	$g_{2t-1}^L$
0	0	0	0	0
1	$g_0$	$g_1$	$\dots$	$g_{2t-1}$
$\dots$	$\dots$	$\dots$	$\dots$	$\dots$
F	$g_0^F$	$g_1^F$	$\dots$	$g_{2t-1}^F$

FIG. 4B

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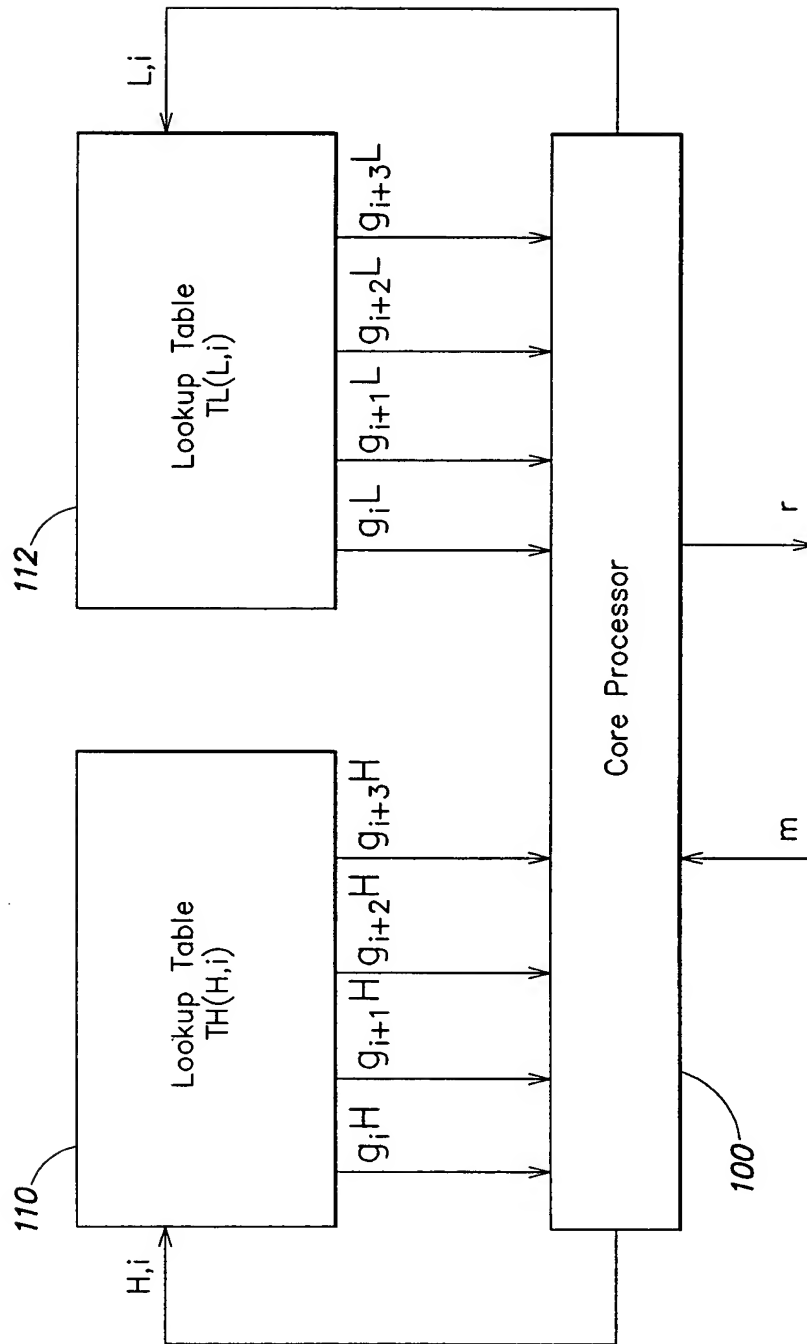


FIG. 5

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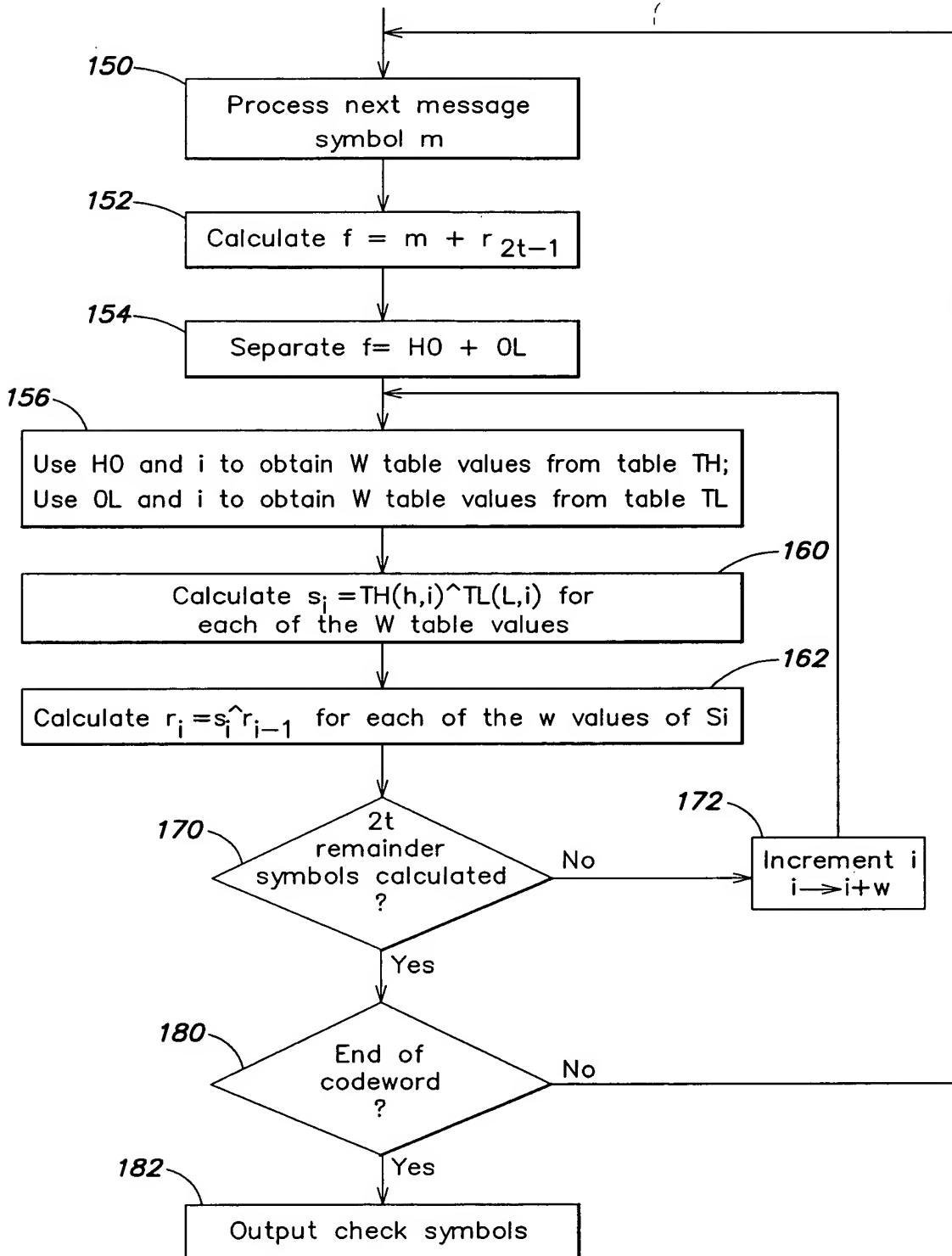


FIG. 6